



**Cisco**

**351-080**

*CCIE Data Center Written (Beta)*

**Answer:** A

**QUESTION:** 105

What is the function of the WWPN pool?

- A. to assign WWPNs to the vHBAs
- B. to assign WWPNs to the servers
- C. to assign WWPNs to the vLANs
- D. to assign WWPNs to the vNICs

**Answer:** A

**QUESTION:** 106

In Cisco UCS Manager, under the LAN tab, which subcategory should you select to configure a vNIC template?

- A. LAN Cloud
- B. Policies
- C. Pools
- D. Internal LAN

**Answer:** B

**QUESTION:** 107

Company XYZ has purchased a newly released Cisco UCS blade to expand their existing Cisco UCS system. Which three changes must the Cisco UCS administrator consider to ensure that the blade will interoperate with the existing environment? (Choose three.)

- A. The Cisco UCS capability catalog may need to be upgraded.
- B. The Cisco UCS firmware version may need to be upgraded.
- C. The Cisco UCS management extension may need to be upgraded.
- D. No changes need to be made to the system.

**Answer:** A, B, C

**QUESTION:** 108

To use the cluster configuration, two Cisco UCS 6100 Series Fabric Interconnects must be directly connected with Ethernet cables between which two of the options that are listed below? (Choose two.)

- A. L1 (L1-to-L1) ports
- B. MGMT 0 on MGMT 1 ports
- C. Cisco UCS 2104 Fabric Extenders
- D. L2 (L2-to-L2) ports

**Answer:** A, D

**QUESTION:** 109

When upgrading to a new firmware bundle on the Cisco UCS, note that there are two interconnects in the design. Does the Cisco UCS require a reboot?

- A. Yes
- B. No

**Answer:** A

**QUESTION:** 110

When upgrading the Cisco UCS to a new firmware bundle, in what order should you perform the upgrade?

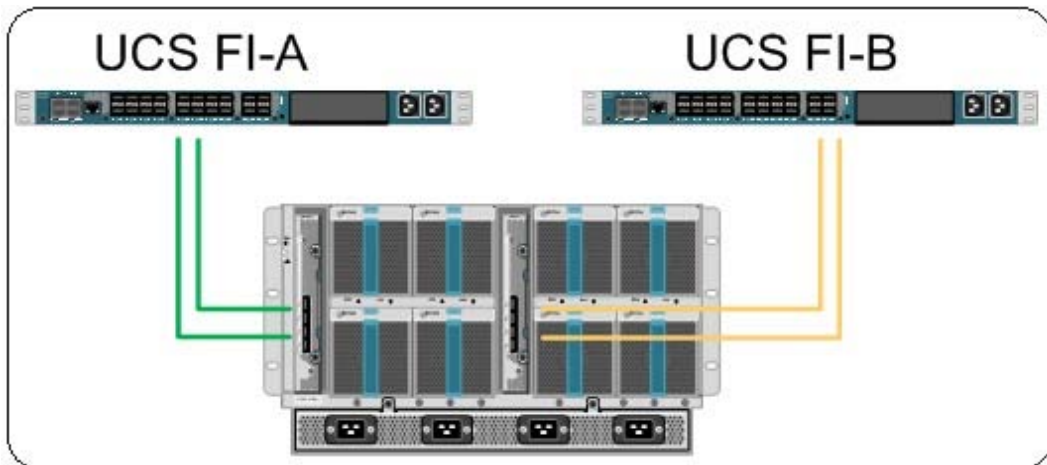
- A. Cisco UCS Manager, CIMC Controller, Interface cards, IO Modules, Fabric Interconnects
- B. Cisco UCS Manager, Fabric Interconnects, Interface cards, CIMC Controller, IO Modules
- C. Interface cards, Fabric Interconnects, Cisco UCS Manager, CIMC Controller, IO Modules
- D. Interface cards, CIMC Controller, IO Modules, Cisco UCS Manager, Fabric Interconnects

**Answer:** D

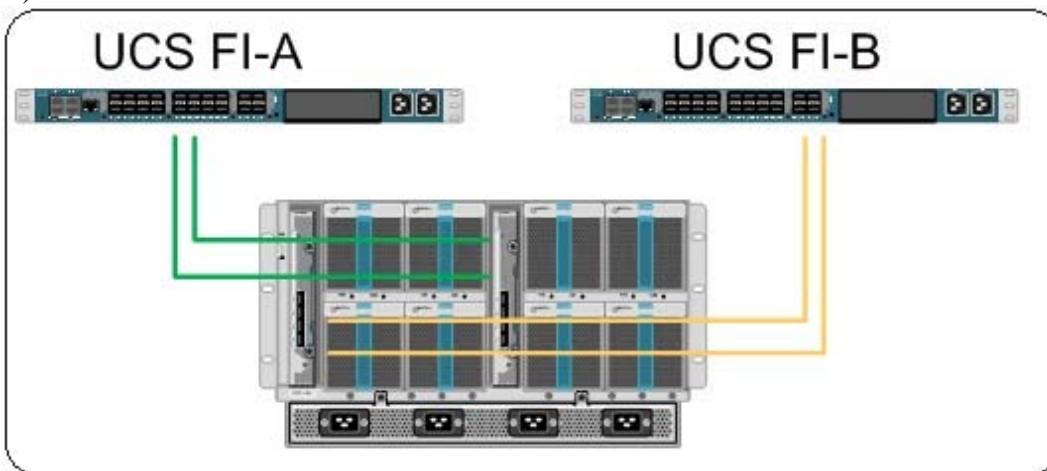
**QUESTION:** 111

Which three diagrams represent valid models of connectivity between the Cisco UCS FIs and IOMs? (Choose three.)

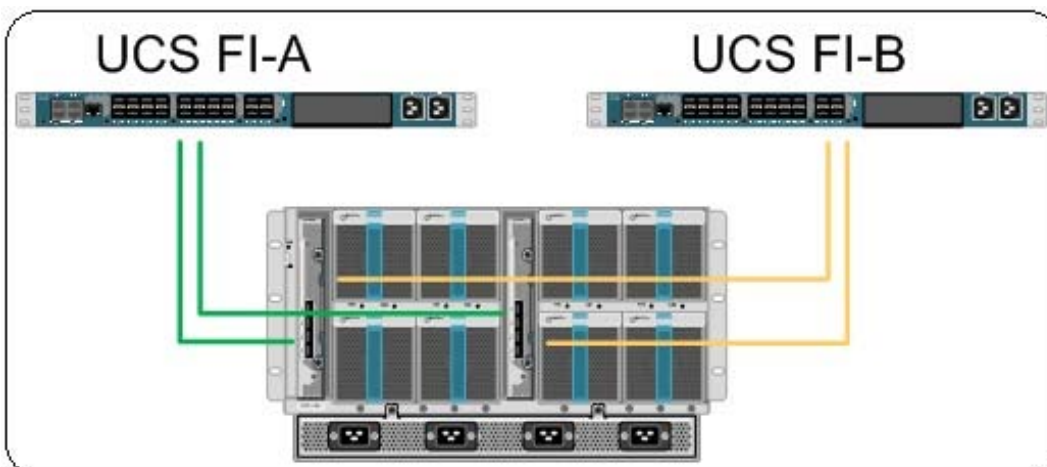
- A)



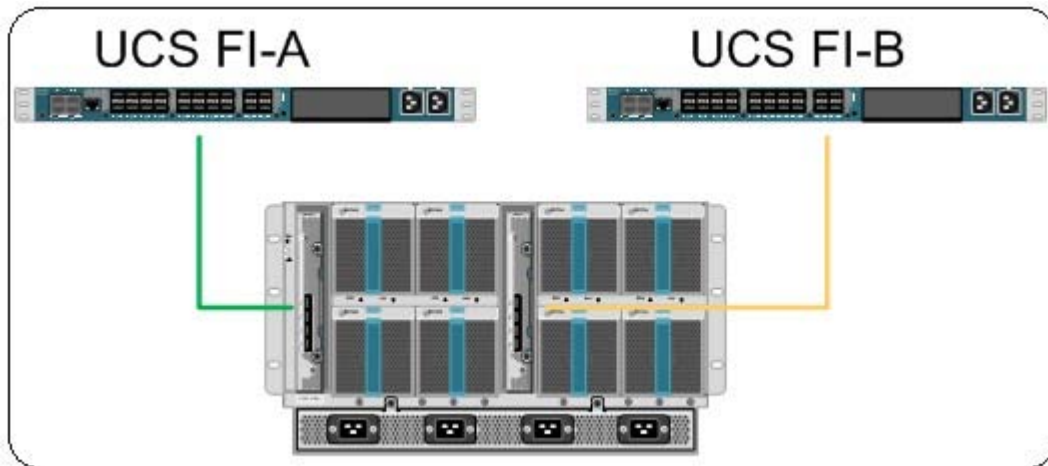
B)



C)



D)



- A. Exhibit A
- B. Exhibit B
- C. Exhibit C
- D. Exhibit D

**Answer:** A, B, D

**QUESTION:** 112

From the Cisco UCS CLI, how do you verify which uplink ports a blade server is using for its network connectivity?

- A. UCS-A# show pinning border-interfaces
- B. UCS-B# show service-profile circuit
- C. UCS-B(nxos)# show pinning server-interfaces
- D. You must statically configure which uplink the blades should use, or you will not have connectivity.

**Answer:** C

**QUESTION:** 113

What are two valid reasons to use the FC switch mode on the Cisco UCS? (Choose two.)

- A. because Ethernet switching mode is configured
- B. to enable the NPIV FC feature on the Cisco UCS Fabric Interconnects
- C. to allow configuration of FCoE storage ports for DAS
- D. to allow configuration of FC storage ports for DAS
- E. to allow the FI to interoperate with Brocade storage switches

**Answer:** C, D

**QUESTION:** 114

Refer to the exhibit.

The screenshot shows two parts of the Cisco UCS management interface. The top part is the 'Management Interfaces' configuration page, which includes a 'Virtual IP' section and two 'Fabric Interconnect' sections (A and B). The bottom part is the 'Management IP Pool (ext-mgmt)' configuration page, showing a table of IP addresses.

**Management Interfaces Configuration:**

- Virtual IP:**
  - IP Address: 10.1.1.50
  - Domain Name: (empty)
  - Name: UCS
  - Mode: Cluster
- Fabric Interconnect A:**
  - IP Address: 10.1.1.48
  - Subnet Mask: 255.255.255.0
  - Default Gateway: 10.1.1.1
- Fabric Interconnect B:**
  - IP Address: 10.1.1.50
  - Subnet Mask: 255.255.255.0
  - Default Gateway: 10.1.1.1

**Management IP Pool (ext-mgmt) Configuration:**

IP Address	Subnet	Default Gateway	Assigned	Assigned To
10.1.2.1	255.255.255.0	10.1.2.1	yes	sys/chassis-1/blade-2/mgmt/ipv4-pooled-addr

As the Cisco UCS administrator, you find you are unable to access the KVM for Blade 1/2. What is the most likely reason for this?

- A. The administrator account does not have sufficient privileges to access the KVM.
- B. The blade does not have an assigned address for the CIMC.
- C. The CIMC IP, Cisco UCS FI, and VIP IP are in different subnets.
- D. TCP port 2068 is being blocked by the firewall on the administrator workstation.

**Answer:** C

**QUESTION:** 115

Which two options are required if you want to boot from the SAN? (Choose two.)

- A. FC switch mode must be configured.
- B. vHBAs with boot targets must be present<sup>45</sup> in the boot order.
- C. FC licensing for the Cisco UCS FI must be purchased and installed.

D. The local LUN ID in the boot order must match the LUN ID of the boot disk that is presented from the SAN.

**Answer:** B, D

**QUESTION:** 116

Which two server characteristics cannot be configured via the Cisco UCS service profile? (Choose two.)

- A. the number of vNICs and vHBAs to present to the operating system
- B. the server boot order
- C. the amount of CPU and memory to present to the operating system
- D. the server BIOS settings
- E. the operating system to install

**Answer:** C, E

**QUESTION:** 117

Cisco UCS only supports either local or remote authentication for native authentication at any one time.

- A. True
- B. False

**Answer:** B

**QUESTION:** 118

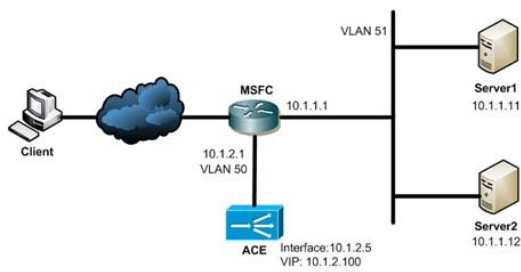
Can the Cisco UCS firmware be upgraded while avoiding any server downtime if every component is upgraded?

- A. No, because the CIMC upgrade requires server downtime.
- B. No, because the BIOS and adapter upgrade requires server downtime.
- C. Yes, as long as NIC teaming and multipathing are configured correctly at the server operating system.
- D. Yes, with the use of maintenance policies on service profiles.

**Answer:** B

**QUESTION:** 119

Refer to the exhibit.



```

ACE-6/WEB# sh run
Generating configuration....

access-list everyone line 8 extended permit ip any any
access-list everyone line 16 extended permit icmp any any

prcb http HTTP_PROBE
request method get url /isalive.htm
prcb icmp ICMP_PROBE

rserver host Server1
ip address 10.1.1.11
inservice
rserver host Server2
ip address 10.1.1.12
inservice

serverfarm host web
probe HTTP_PROBE
probe ICMP_PROBE
rserver Server1
inservice
rserver Server2
inservice

class-map match-all slb-vip
2 match virtual-address 10.1.2.100 tcp eq 8001

policy-map type management first-match remote-access
class class-default
permit

policy-map type loadbalance first-match slb
class class-default
serverfarm web

policy-map multi-match client-vips
class slb-vip
nat dynamic 5 vlan 50

interface vlan 50
description 'Client-Server VLAN'
ip address 10.1.2.5 255.255.255.0
access-group input everyone
nat-pool 5 10.1.2.200 10.1.2.209 netmask 255.255.255.0 pat
service-policy input client-vips
service-policy input remote-access
no shutdown

ip route 0.0.0.0 0.0.0.0 10.1.2.1

```

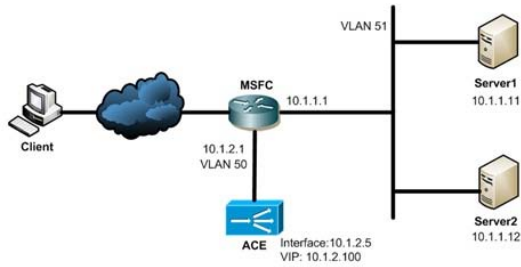
Examine the network topology and configuration of the Cisco ACE Module. Based on the information that is provided, what is the predictor that is used to select the best server to satisfy a client request?

- A. round robin
- B. least connections
- C. hash address
- D. hash URL
- E. least bandwidth

**Answer:** A

**QUESTION:** 120  
Refer to the exhibit.





```

ACE-G/WEB# sh run
Generating configuration....

access-list everyone line 8 extended permit ip any any
access-list everyone line 16 extended permit icmp any any

probe http HTTP_PROBE
  request method get url /isalive.html
probe icmp ICMP_PROBE

rserver host Server1
  ip address 10.1.1.11
  inservice
rserver host Server2
  ip address 10.1.1.12
  inservice

serverfarm host web
  probe HTTP_PROBE
  probe ICMP_PROBE
  rserver Server1
    inservice
  rserver Server2
    inservice

class-map match-all slb-vip
  2 match virtual-address 10.1.2.100 tcp eq 8001

policy-map type management first-match remote-access
  class class-default
    permit

policy-map type loadbalance first-match slb
  class class-default
    serverfarm web

policy-map multi-match client-vips
  class slb-vip
    nat dynamic 5 vlan 50

interface vlan 50
  description "Client-Server VLAN"
  ip address 10.1.2.5 255.255.255.0
  access-group input everyone
  nat-pool 5 10.1.2.200 10.1.2.209 netmask 255.255.255.0 pat
  service-policy input client-vips
  service-policy input remote-access
  no shutdown

ip route 0.0.0.0 0.0.0.0 10.1.2.1

```

Examine the network topology and configuration of the Cisco ACE Module. Based on the information that is provided, when do the real servers in the server farm fail and enter the PROBE- FAILED state?

- A. when both HTTP\_PROBE and ICMP\_PROBE fail
- B. when either HTTP\_PROBE or ICMP\_PROBE fails
- C. The real server will never fail.
- D. when VIP is down

**Answer: B**

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